

AC/SAS:gte 09/09/04
PATENT

10/507385
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Express Mail Label No. EV514604138US
Date of Deposit: September 9, 2004
Attorney Reference Number 4239-64104-02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Yoshimura

Application No. Not yet assigned

Filed: Herewith

Confirmation No. Not yet assigned

For: USE OF DISCOIDIN DOMAIN
RECEPTOR 1 (DDR1) AND AGENTS
THAT AFFECT THE DDR1/COLLAGEN
PATHWAY

Examiner: Not yet assigned

Art Unit: Not yet assigned

Attorney Reference No. 4239-64104-02

CERTIFICATE OF EXPRESS MAILING

I hereby certify that this paper and the documents referred to as being attached or enclosed herewith are being deposited with the United States Postal Service as Express Mail Envelope No. EV514604138US in an envelope addressed to: MAIL STOP PCT, COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450 on the date shown below.

Agent
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INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 C.F.R. § 1.97(b)(2)

Listed on the accompanying form PTO-1449 and enclosed herewith are several English-language documents. Applicant respectfully requests that these documents be listed as references cited on the issued patent.

Since the present application was filed after June 30, 2003, copies of United States patents and United States published patent applications do not have to be provided to the Patent Office. This requirement of 37 C.F.R. § 1.98(a)(2)(i) has been waived by the United States Patent and Trademark Office pursuant to the Official Gazette Notice on August 5, 2003 (1276 OG 55). Applicant will provide copies of such patents upon request.

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Applicant filed this Information Disclosure Statement ("IDS") within three months of the date of entry of the national stage as set forth in § 1.491 in an international application. As a result, no fee should be required to file this IDS. However, if the Patent Office determines that a fee is required for Applicant to file this IDS, please charge any such fees, or credit overpayment, to Deposit Account No. 02-4550. A **duplicate** copy of the transmittal sheet for this IDS is enclosed.

The filing of this IDS shall not be construed to be an admission that the information cited in the statement is, or is considered to be, prior art or otherwise material to patentability as defined in 37 C.F.R. §1.56.

Respectfully submitted,

KLARQUIST SPARKMAN, LLP

By 
Anne Carlson, Ph.D.
Registration No. 47,472

One World Trade Center, Suite 1600
121 S.W. Salmon Street
Portland, Oregon 97204
Telephone: (503) 226-7391
Facsimile: (503) 228-9446

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Attorney Docket Number	4239-64104-02
Application Number	Not yet assigned
Filed	Herewith
First Named Inventor	Yoshimura
Art Unit	Not yet assigned
Examiner Name	Not yet assigned

U.S. PATENT DOCUMENTS

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Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
		6,022,694	8 Feb 2000	Radziejewski <i>et al.</i>

FOREIGN PATENT DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Country	Number	Publication Date	Name of Applicant or Patentee
		WIPO/PCT	98/34954	13 Aug 1998	Vogel <i>et al.</i>

OTHER DOCUMENTS

Examiner's Initials*	Cite No. (optional)	
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		Brand <i>et al.</i> , "Influence of extracellular matrix proteins on the development of cultured human dendritic cells," <i>Eur. J. Immunol.</i> 28:1673-1680, 1998.
		Curat <i>et al.</i> , "Mapping of epitopes in discoidin domain receptor 1 critical for collagen binding," <i>J. Biol. Chem.</i> 276:45952-45958, 2001.
		Jacob <i>et al.</i> , "Influence of non-enzymatically glycosylated collagen on monocyte-macrophage differentiation," <i>Arteriosclerosis</i> 15:333-341, 2001a
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		Jönsson <i>et al.</i> , "Repression of Wnt-5a impairs DDR1 phosphorylation and modifies adhesion and migration of mammary cells," <i>J. Cell Sci.</i> 114:2043-2053, 2001
		Kamohara <i>et al.</i> , "Discoidin domain receptor 1 isoform-a (DDR1a) promotes migration of leukocytes in three-dimensional collagen lattices," <i>FASEB J.</i> 15(14):2724-2726, 2001
		Laptev <i>et al.</i> , "Profiling of genes expressed in human monocytes and monocyte-derived dendritic cells using cDNA expression array," <i>British Journal of Haematology</i> 114:191-197, 2001

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* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Attorney Docket Number	4239-64104-02
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		First Named Inventor	Yoshimura
		Art Unit	Not yet assigned
		Examiner Name	Not yet assigned
Examiner's Initials*	Cite No. (optional)	OTHER DOCUMENTS	
		L'Hôte <i>et al.</i> , "Functional analysis of discoidin domain receptor 1: effect of adhesion on DDR1 phosphorylation," <i>FASEB J.</i> 16:234-236, 2002	
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		Matsuyama <i>et al.</i> , "Collagen-activation of discoidin domain receptor 1 isoform b (DDR1b) transduces signals that promote differentiation to macrophages and chemokine production in the human monocytic leukemia cell line, THP-1." Abstract for the 2002 Gordon conference (2002a)	
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		Nemoto <i>et al.</i> , "Overexpression of protein tyrosine kinases in human esophageal cancer," <i>Pathobiology</i> 65(4):195-203, 1997 (abstract only)	
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		Vogel <i>et al.</i> , "The discoidin domain receptor tyrosine kinases are activated by collagen," <i>Molecular Cell</i> 1:13-23, December 1997	

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